

# EAST SEARCH

L Number	Hits	Search Text	DB	Time stamp
-	1	electrochemilum\$5	USPAT	2002/09/01 19:29
-	11127	chemilumines\$5	USPAT	2002/08/31 16:16
-	23634	linker\$4	USPAT	2002/08/31 16:16
-	3682	chemilumines\$5 and linker\$4	USPAT	2002/08/31 16:16
-	12379	intramolecular\$4	USPAT	2002/08/31 16:17
-	1019	(chemilumines\$5 and linker\$4) and intramolecular\$4	USPAT	2002/08/31 16:17
-	1	("6316180").PN.	USPAT	2002/09/01 14:27
-	1	("5643713").PN.	USPAT	2002/09/01 16:45
-	2	("9846631").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/01 19:20
-	2	"9846631"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/09/01 19:20
-	1	("5510240").PN.	USPAT	2002/09/01 19:32
-	63	i adj + adj "3"	USPAT	2002/09/01 19:32
-	51332	combinator\$5 or librar\$5	USPAT	2002/09/01 19:32
-	5	(i adj + adj "3") and (combinator\$5 or librar\$5)	USPAT	2002/09/01 19:34
-	868	beta adj turn	USPAT	2002/09/01 19:35
-	524	(combinator\$5 or librar\$5) and (beta adj turn)	USPAT	2002/09/01 19:35
-	191696	synthesis\$4	USPAT	2002/09/01 19:35
-	516	((combinator\$5 or librar\$5) and (beta adj turn)) and synthesis\$4	USPAT	2002/09/01 19:36
-	39300	solid adj phase\$3	USPAT	2002/09/01 19:36
-	369	((combinator\$5 or librar\$5) and (beta adj turn)) and synthesis\$4) and (solid adj phase\$3)	USPAT	2002/09/01 19:36
-	4838	mimetic\$4	USPAT	2002/09/01 19:36
-	197	((combinator\$5 or librar\$5) and (beta adj turn)) and synthesis\$4) and (solid adj phase\$3)) and mimetic\$4	USPAT	2002/09/01 19:37
-	672131	ring\$4	USPAT	2002/09/01 19:37
-	167	((combinator\$5 or librar\$5) and (beta adj turn)) and synthesis\$4) and (solid adj phase\$3)) and mimetic\$4) and ring\$4	USPAT	2002/09/01 19:38
-	3145	macrocyclic\$4	USPAT	2002/09/01 19:38
-	2	((combinator\$5 or librar\$5) and (beta adj turn)) and synthesis\$4) and (solid adj phase\$3)) and mimetic\$4) and ring\$4) and macrocyclic\$4	USPAT	2002/09/01 19:39
-	50	(combinator\$5 or librar\$5) same (beta adj turn)	USPAT	2002/09/01 19:39
-	24	((combinator\$5 or librar\$5) same (beta adj turn)) same mimetic\$4	USPAT	2002/09/01 19:40
-	1	("5288514").PN.	USPAT	2002/09/01 19:40

\* \* \* \* \* Welcome to STN International \* \* \* \* \*  
d hist

(FILE 'HOME' ENTERED AT 18:44:47 ON 01 SEP 2002)

FILE 'CAPLUS' ENTERED AT 18:45:18 ON 01 SEP 2002

L1 236 S DESLONGCHAMPS?/AU  
L2 238 S DORY?/AU  
L3 27 S L1 AND L2  
L4 16 S L3 AND PY<=1999  
L5 5 S L1 AND COMBINAT?

=> s l1 and macro-hetero?

18002 MACRO

(MACRO OR MACROS)

54 MACRO-HETERO?

(MACRO (W) HETERO?)

L6 3 L1 AND MACRO-HETERO?

=> s l2 and macro-hetero?

18002 MACRO

(MACRO OR MACROS)

54 MACRO-HETERO?

(MACRO (W) HETERO?)

L7 3 L2 AND MACRO-HETERO?

d hist

(FILE 'HOME' ENTERED AT 20:46:00 ON 01 SEP 2002)

FILE 'CAPLUS' ENTERED AT 20:46:09 ON 01 SEP 2002

L1 3935 S BETA(W)TURN? OR GAMMA(W)TURN?  
L2 5973 S MIMETIC?  
L3 219 S L1(P)L2  
L4 70089 S COMBINATOR? OR LIBRAR?  
L5 38 S L3 AND L4  
L6 24 S L5 AND PY<=1999

STN SEARCH

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

L1       STRUCTURE UPLOADED

=> s l1  
d hist

(FILE 'HOME' ENTERED AT 18:44:47 ON 01 SEP 2002)

FILE 'CAPLUS' ENTERED AT 18:45:18 ON 01 SEP 2002

L1       236 S DESLONGCHAMPS?/AU  
L2       238 S DORY?/AU  
L3       27 S L1 AND L2  
L4       16 S L3 AND PY<=1999  
L5       5 S L1 AND COMBINAT?

=> s l1 and macro-hetero?

18002 MACRO

(MACRO OR MACROS)

54 MACRO-HETERO?

(MACRO(W)HETERO?)

L6       3 L1 AND MACRO-HETERO?

=> s l2 and macro-hetero?

18002 MACRO

(MACRO OR MACROS)

54 MACRO-HETERO?

(MACRO(W)HETERO?)

L7       3 L2 AND MACRO-HETERO?

=> d hist

(FILE 'HOME' ENTERED AT 16:04:39 ON 02 SEP 2002)

FILE 'REGISTRY' ENTERED AT 16:04:49 ON 02 SEP 2002

L1       STRUCTURE UPLOADED  
L2       98600 S L1 FULL

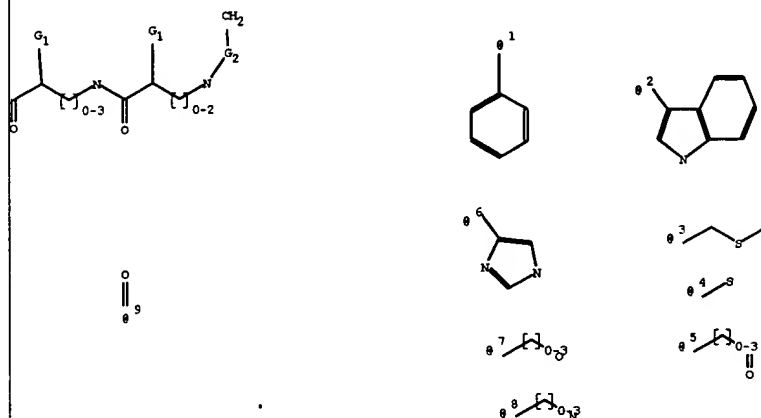
FILE 'CAPLUS' ENTERED AT 16:06:04 ON 02 SEP 2002  
S L1 AND (BETA(W)TURN? OR GAMMA(W)TURN?)

FILE 'REGISTRY' ENTERED AT 16:06:33 ON 02 SEP 2002

L3       50 S L1

FILE 'CAPLUS' ENTERED AT 16:06:35 ON 02 SEP 2002

L4       61 S L3  
L5       0 S L4 AND (BETA(W)TURN? OR GAMMA(W)TURN?)  
L6       2 S L4 AND COMBINATOR?  
L7       0 S L5 AND MACROCYCLE?  
L8       1 S L4 AND RING?  
L9       304 S L2 AND RING?  
L10      113 S L2 AND (BETA(W)TURN? OR GAMMA(W)TURN?)  
L11      15 S L10 AND (RING? OR MACROCYCL?)  
L12      1 S L11 AND (COMBINAT? OR LIBRAR?)  
L13      1184 S L2 AND (COMBINATOR? OR LIBRAR?)  
L14      21 S L13 AND (RING? OR MACROCYCLE?)



Query via NQ to Protein

## chain nodes :

1 2 3 4 5 6 7 8 9 10 21 31 32 33 37 38 39 40 41 42 43  
44 45 46 55 57 58 59 60 61 62 74 75 76 78

## ring nodes :

15 16 17 18 19 20 22 23 24 25 26 27 28 29 30 50 51 52  
53 54

## chain bonds :

1-2 1-10 2-3 2-32 3-4 4-5 5-6 5-9 6-7 6-33 7-8 8-74 18-21  
24-31 37-38 38-39 39-40 41-42 43-44 44-45 45-46 53-55 57-58  
58-59 60-61 61-62 74-78 75-76

## ring bonds :

15-16 15-20 16-17 17-18 18-19 19-20 22-23 22-26 23-24 24-25  
25-26 25-29 26-27 27-28 28-30 29-30 50-51 50-54 51-52 52-53  
53-54

## exact/norm bonds :

1-10 2-32 3-4 4-5 5-9 6-33 7-8 8-74 22-23 22-26 23-24 24-25  
38-39 39-40 41-42 45-46 50-51 50-54 51-52 52-53 53-54 58-59  
61-62 74-78 75-76

## exact bonds :

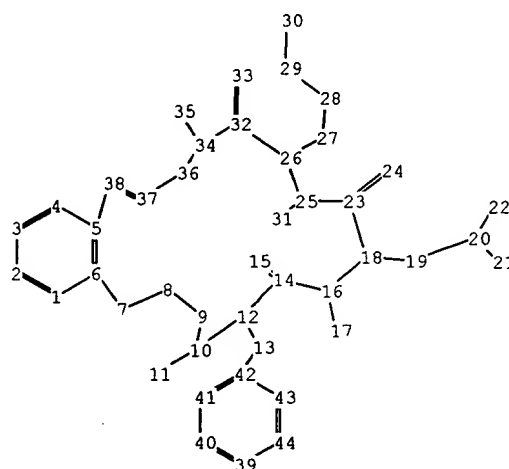
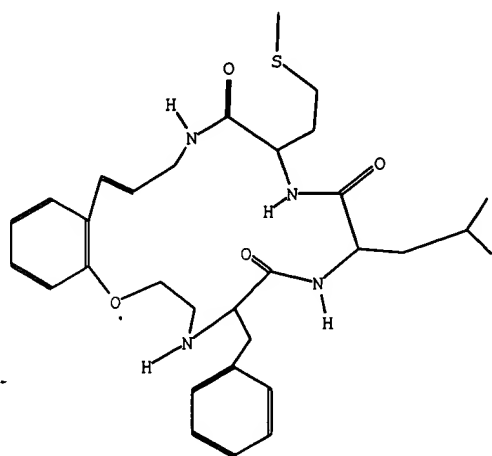
1-2 2-3 5-6 6-7 18-21 24-31 37-38 43-44 44-45 53-55 57-58  
60-61

## normalized bonds :

15-16 15-20 16-17 17-18 18-19 19-20 25-26 25-29 26-27 27-28  
28-30 29-30

G1:H, CH3, Et, n-Pr, i-Pr, i-Bu, s-Bu, [\*1], [\*2], [\*3], [\*4], [\*5], [\*6], [\*7], [\*8]

G2:CH2, NH, O, [\*9]



chain nodes :

11 13 15 17 19 20 21 22 24 27 28 29 30 31 33 35

ring nodes :

1 2 3 4 5 6 7 8 9 10 12 14 16 18 23 25 26 32 34 36 37  
38 39 40 41 42 43 44

chain bonds :

10-11 12-13 13-42 14-15 16-17 18-19 19-20 20-21 20-22 23-24  
25-31 26-27 27-28 28-29 29-30 32-33 34-35

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-38 6-7 7-8 8-9 9-10 10-12 12-14  
14-16 16-18 18-23 23-25 25-26 26-32 32-34 34-36 36-37 37-38  
39-40 39-44 40-41 41-42 42-43 43-44

exact/norm bonds :

5-38 6-7 7-8 8-9 9-10 10-12 12-14 14-15 14-16 16-18 18-23  
23-24 23-25 25-26 26-32 28-29 29-30 32-33 32-34 34-36 36-37  
37-38

exact bonds :

10-11 12-13 13-42 16-17 18-19 19-20 20-21 20-22 25-31 26-27  
27-28 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 39-40 39-44 40-41 41-42 42-43 43-44

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom  
10:Atom 11:CLASS 12:Atom 13:CLASS 14:Atom 15:CLASS 16:Atom  
17:CLASS 18:Atom 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:Atom  
24:CLASS 25:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS 30:CLASS  
31:CLASS